Application No.: 10/788,802

Reply to Office Action dated: February 23, 2009

Reply dated: May 21, 2009

In the Claims:

Please replace paragraphs [0004] and [0007] in the specification with the following.

[0004] United States Patent Application No. xx/xxx.xxx 10/789.010. entitled "METHOD FOR

PROTECTION AGAINST INTERLEAVING TRANSACTIONS USING A TRANSACTION

MANAGER", filed on February 27, 2004, Attorney Docket No. BEAS1338US3, currently pending

now U.S. Patent No. 7,353,495, issued on April 1, 2008.

[0007] The transaction manager may be provided by the application sever provided. One such

provider of application servers is BEA Systems, of San Jose, California, who provide the Web

Logic Server application server system. The WebLogic Server (WLS) Transaction Manager

(TM) implements the J2EE JTA specification. This specification is based on the OpenGroup

Distributed Transaction Processing Model (DTPM). A typical J2EE distributed transaction

processing model 100 is depicted in Figure 1. Distributed Transaction Processing Model 100

includes application (App) 110, resource manager (RM) 120, and transaction manager (TM)

130. The TM coordinates two-phase commit (2PC) transactions that involve multiple resources.

Resources developed by third parties may be utilized in WLS applications because they adhere

to the J2EE standards. The App communicates with the RM using an API such as JDBC (for

relational databases) and JMS (for queuing systems). The App controls transaction

demarcation using the JTA API. The TM communicates with the RM during 2PC processing

using the $\underline{\text{extended}}$ architecture (XA) interface, specifically the XAR esource interface as defined

in the J2EE JTA specification. This interface provides methods for enlisting and delisting a

resource in a global transaction, preparing the resource (first phase of 2PC), and committing or

rolling back the resource (second phase of 2PC). There are also methods for use in failure $\,$

recovery (recover), resource comparison (isSameRM) and error processing (forget).

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